

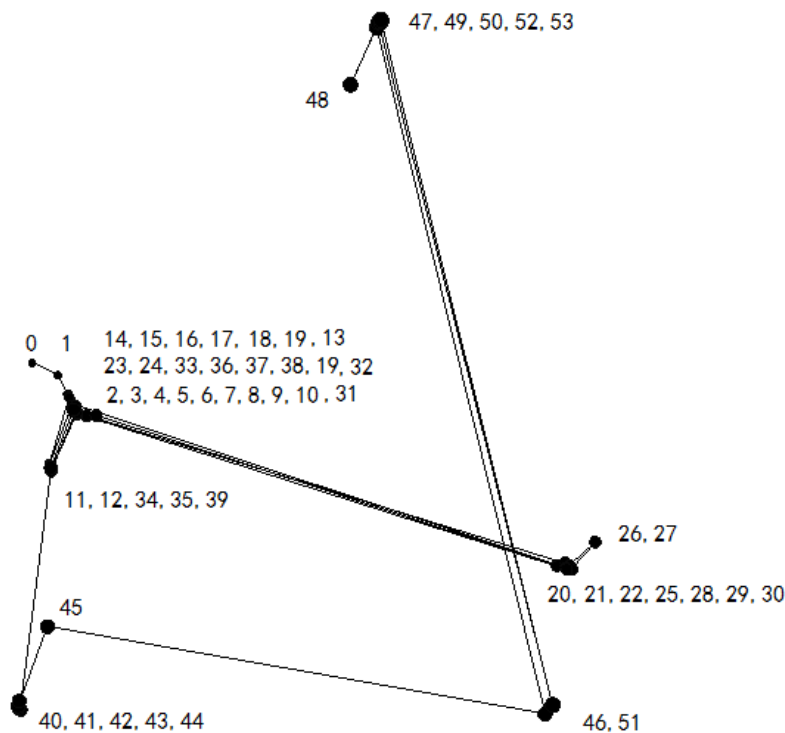
Weekly Report

Research

Last week I completed the code of top-k similarity computation, which measures similarities between rank data with Hoeffding distance. And I also visualized it with MDS projection and Processing drafting.

Problems follow after the draft: how to evaluate the correctness of the similarities and the projection, and how to analyze the distance. For the first problem, a visual design of rank data comparison is needed. I would like to leave the problem to Zou Yaoyao as her thesis topic. For the second problem, particularly for the current Fortune 500 data, a few key words or tags of the companies on list are needed as reference and clues for further analysis. Currently I decided to leave the work to Guo Fangzhou, to grab some key words of the companies. And I'd like to integrate this component into the stream computing framework.

Also a slight update of the similarity measurement algorithm is needed to take special situations into consideration, such that one company doesn't change its rank but its company revenue increases.



Reading

I had a reading of Prof. Qu's English writing learning material, and made a presentation about

English writing at the group seminar.

Miscellaneous

An outline of information visualization courseware is made, including all the subject topics and bias between data visualization and cross media visualization.

Work to do

1. A slight update of the similarity measurement algorithm
2. Division of top-k project labor: write a Chinese project proposal and divide the work to Guo Fangzhou and Zou Yaoyao
3. Paper reading and group seminar presentation
4. Courseware PPT